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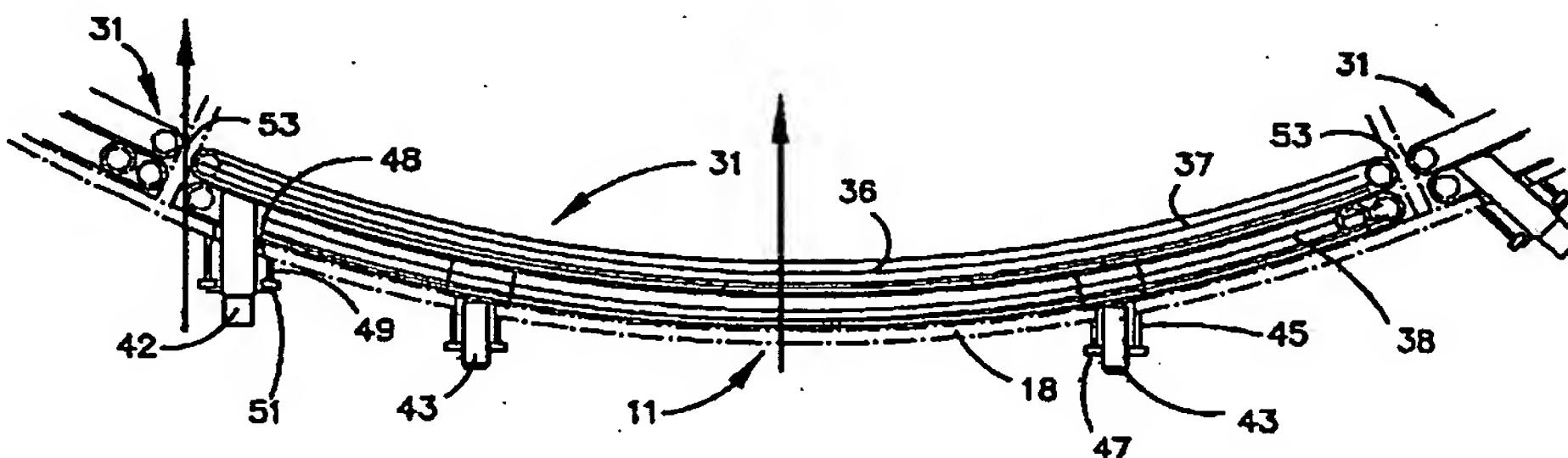
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(54) Title: METALLURGICAL VESSEL



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(57) Abstract: Cooling panels (31) are attached to the shell (11) of a metallurgical vessel to form an internal lining of the shell. Each panel (31) comprises a coolant flow tube (36) bent to form inner and outer panel sections (37, 38) of zig-zag formation. Panel mounting pins (43) connected to the outer panel section (38) by connector straps project laterally outwardly from the panel through openings (45) in the shell and tubular shell protrusions (46) surrounding the openings (45). The ends of pins (43) are connected to the outer ends of protrusions (46) by welding metal discs (47) thus forming connections exteriorly of the shell in a way which seals the openings (45). Coolant inlet and outlet connectors (42) for the panel project outwardly through openings (48) in the shell and surrounding tubular protrusions (49) and connections are made by welding discs (51) between the connectors (42) and protrusions (49).